

BEST AVAILABLE COPY

Docket No.: 1033-NW1001
Inventor: Stu Blackburn
Attorney: Jeffrey G. Toler (512) 327-5515

1/4

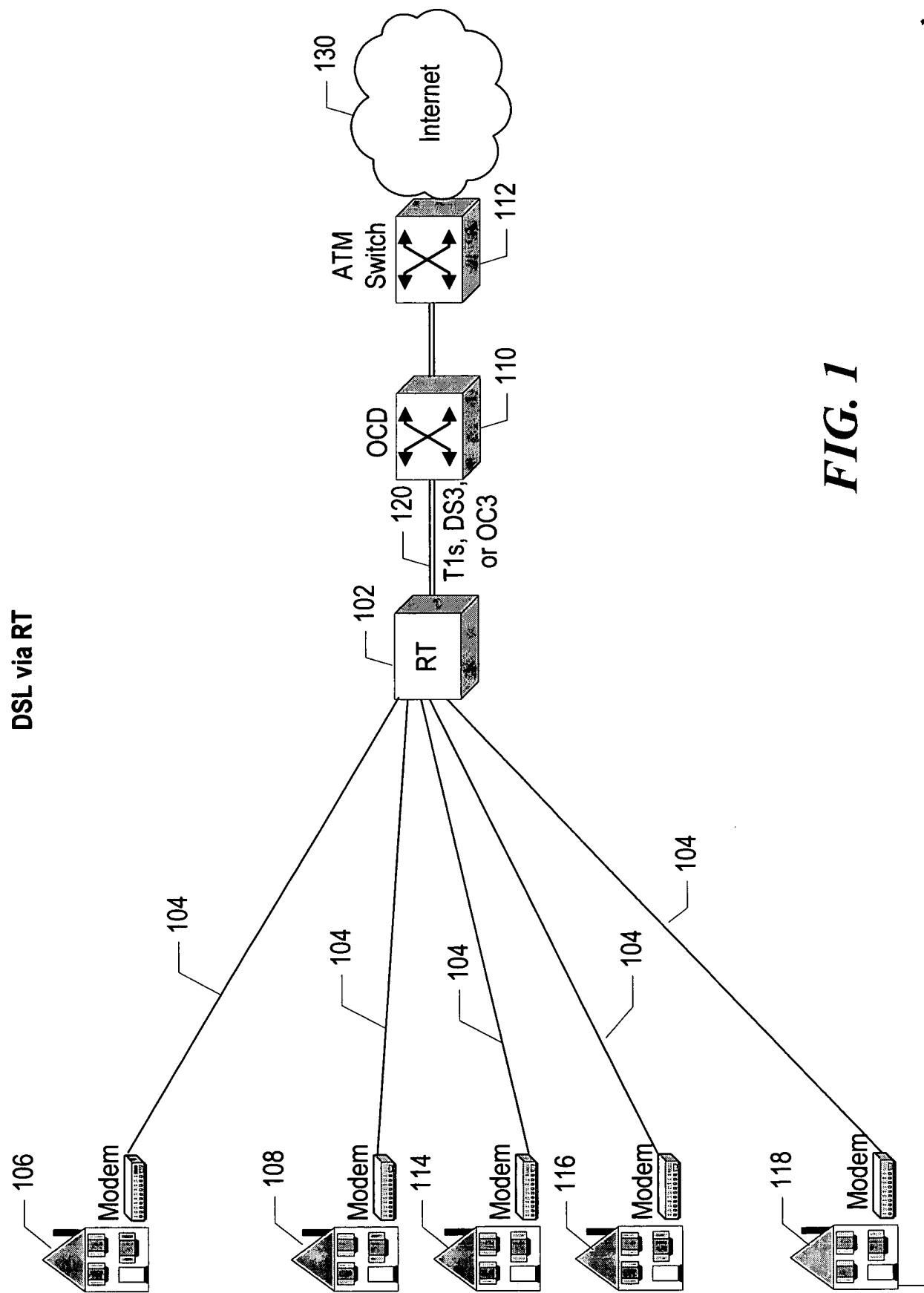


FIG. 1

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2/4

DSL via DSLAM

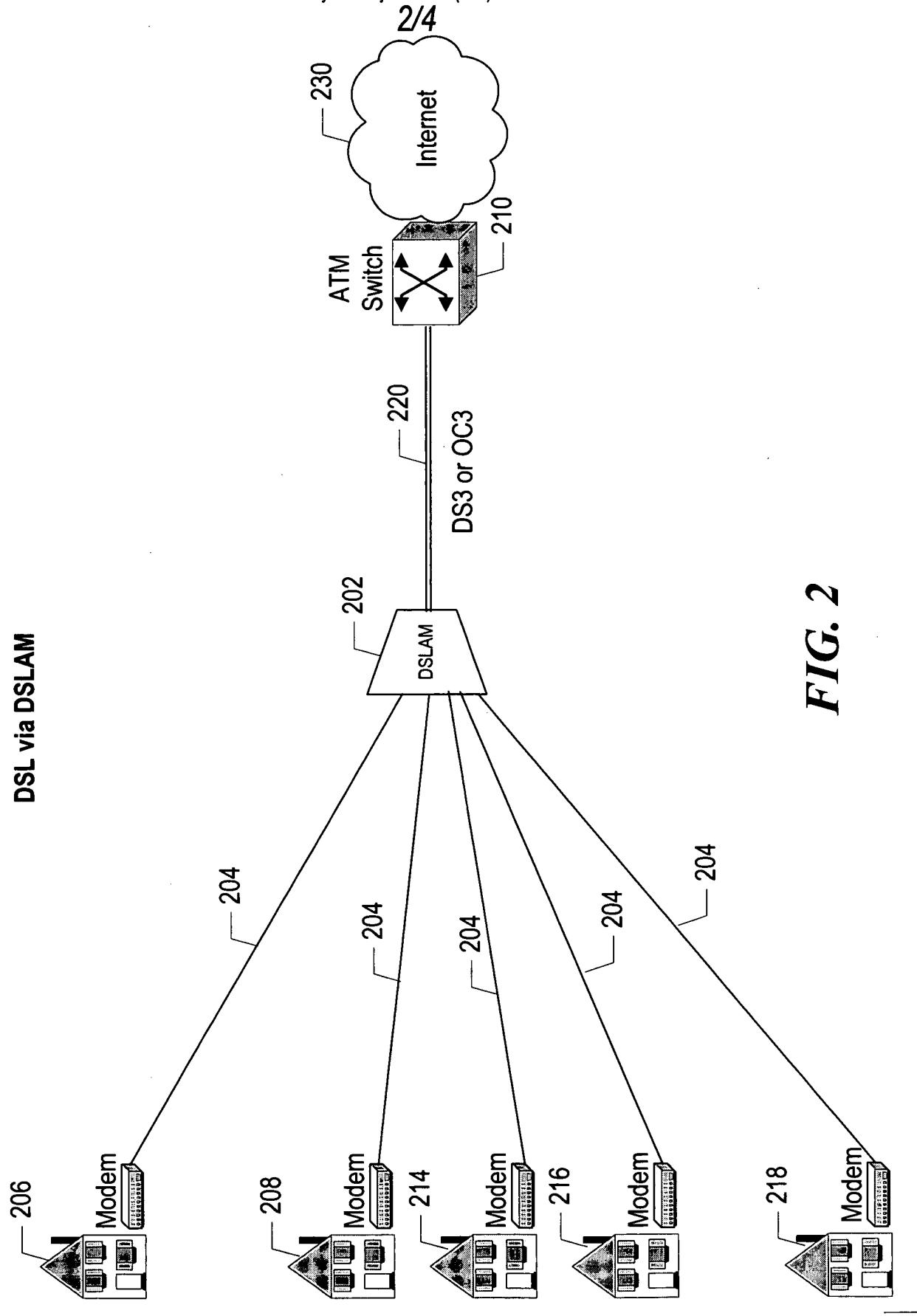


FIG. 2

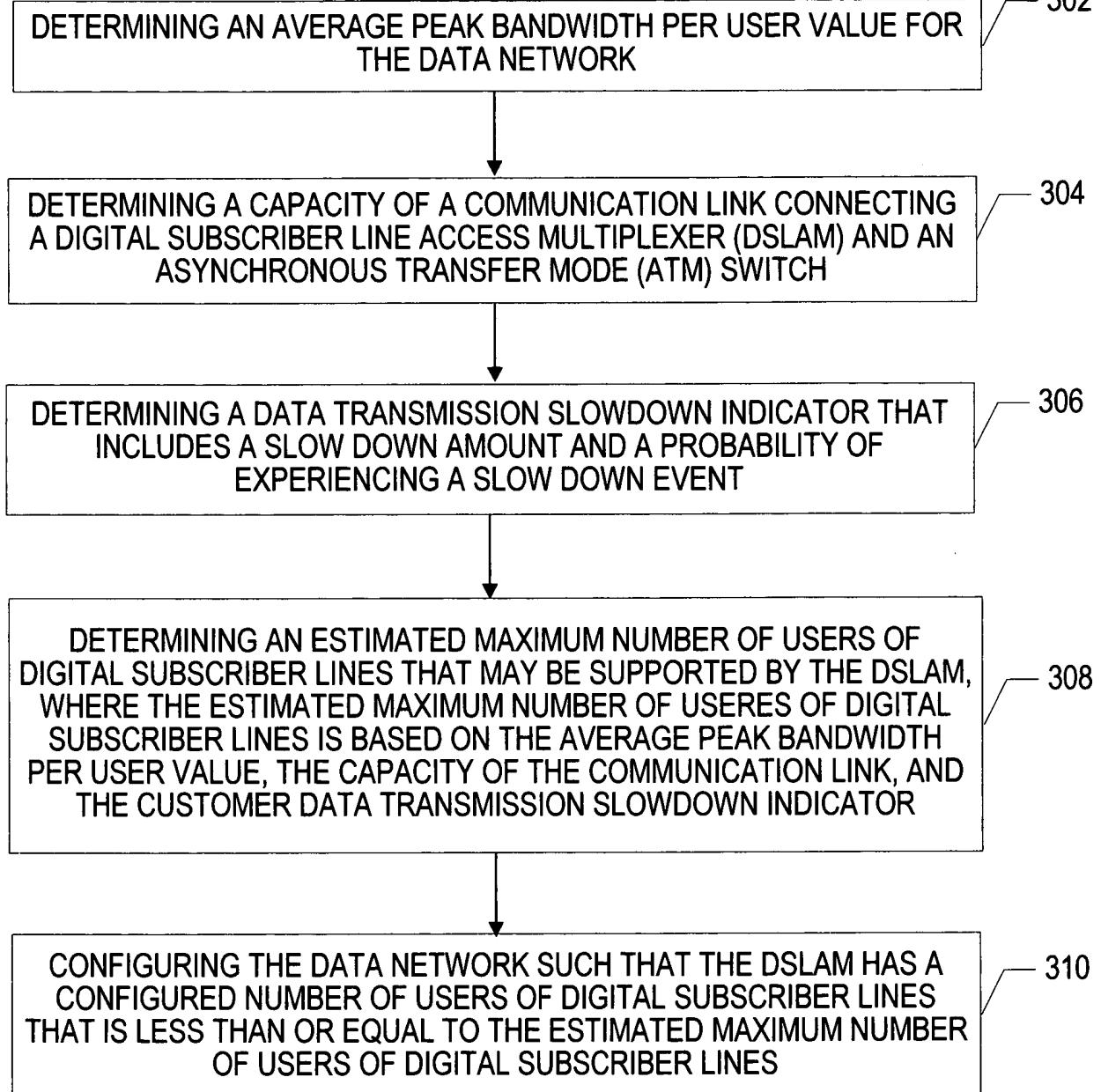


FIG. 3

DETERMINING AN AVERAGE PEAK BANDWIDTH PER USER VALUE FOR THE DATA NETWORK

402

DETERMINING A CAPACITY OF A COMMUNICATION LINK CONNECTING A REMOTE TERMINAL (RT) TO ASYNCHRONOUS TRANSFER MODE (ATM) SWITCH VIA AN OPTICAL CONCENTRATOR DEVICE

404

DETERMINING A DATA TRANSMISSION SLOWDOWN INDICATOR THAT INCLUDES A SLOWDOWN AMOUNT AND A PROBABILITY OF EXPERIENCING A SLOWDOWN EVENT

406

DETERMINING AN ESTIMATED MAXIMUM NUMBER OF USERS THAT MAY BE SUPPORTED BASED ON THE AVERAGE PEAK BANDWIDTH PER USER VALUE, THE CAPACITY OF THE COMMUNICATION LINK, AND THE CUSTOMER DATA TRANSMISSION SLOWDOWN INDICATOR

408

CONFIGURING THE DATA NETWORK SUCH THAT THE RT HAS A CONFIGURED NUMBER OF USERS OF THE SUBSCRIBER LINES THAT IS LESS THAN OR EQUAL TO THE ESTIMATED MAXIMUM NUMBER OF USERS THAT MAY BE SUPPORTED BY THE RT

410

FIG. 4